

Planning Commission Date: May 28, 2003

Item No. **78**

## MILPITAS PLANNING COMMISSION AGENDA REPORT

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Category: Public Hearing

Report prepared by: Staci Pereira

Public Hearing: Yes:   X   No:       

Notices Mailed On: 5-2-03

Published On: 5-1-03

Posted On: 5-2-03

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**TITLE:** **USE PERMIT AMENDMENT NOS. P-UA2003-5 AND P-UA2003-10, "S" ZONE AMENDMENT NO. P-SA2003-12 AND ENVIRONMENTAL IMPACT ASSESSMENT NO. P-EA2003-5**

**Proposal:** Request to amend previous use permits and site and architectural approvals for 9 telecommunication antennas housed in an additional building story for approval of 12 antennas and associated equipment housed in a proposed 256 square foot clock tower, 62'-10" in height and the related Negative Declaration.

**Location:** 1000 Jacklin Road (APN 28-05-015)

**RECOMMENDATION:** Approve Use Permit Amendment Nos. P-UA2003-5 (AT&T) and P-UA2003-10 (Cingular) and "S" Zone Approval-Amendment P-SA2003-22 with conditions and adopt the related Negative Declaration (Environmental Impact Assessment No. P-EA2003-5).

**Applicant:** AT&T Wireless Services, Inc., c/o Victoria Wilcox, 651 Gateway Blvd., Suite 1500, South San Francisco, CA 94080

**Property Owner:** Joe Jr. and Christine Gigantino, 1000 Jacklin Road, Milpitas, CA 95035

**Previous Action(s):** "S" Zone and amendments, and use permits

**Environmental Info:** Negative Declaration

**General Plan Designation:** Highway Service

**Present Zoning:** Highway Service "HS" District

**Existing Land Use:** Athletic Club

48

Agenda Sent To: Applicant and owner (both noted above)

Attachments: Plans, photosimulations, existing and alternative wireless sites, telecommunications questionnaire, FCC license, power density study, draft Negative Declaration and Initial Study

PJ No. 2286

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## BACKGROUND

The subject site is a 1.14-acre parcel with a 17,000 square foot two-story building, plus parking and landscaping. The original site approval for the building and site improvements was granted by the Planning Commission in 1977.

In May 1996, the Planning Commission approved plans for a 60-foot monopole with two 8-foot antennas and a 173 square-foot equipment shelter (GTE Mobilnet—Use Permit No. 1339). In November 1998, the Commission approved an amendment to allow GTE to replace their antennas. In July 1996, the Planning Commission approved a co-location proposal to allow additional antennas on the new monopole (Sprint Spectrum LP—Use Permit No. 1352). The equipment cabinets were approved to be housed within an enclosure on the east side of the building. A third co-location effort was approved by the Planning Commission in June 2000, for additional antennas on the monopole (Nextel—Use Permit No. 1553). The equipment cabinet enclosure was approved at the east side of the building. On July 10, 2002, the Planning Commission approved Use Permit Nos. P-UP2002-15 and P-UP2002-4 consisting of antennas for two new vendors (AT&T and Cingular), to construct a new roof-top penthouse structure which would house 9 antennas total and associated equipment. However, due to high construction costs associated with the structural upgrades to support the weight of this structure, the roof-top penthouse was never built, thus the current application has been submitted.

## Site Description

The subject site encompasses 1.14 acres at the southwest quadrant of I-680 and Jacklin Road. The site is a land-locked parcel located behind the Shell gasoline station, near the I-680 southbound on-ramp. The site is zoned Highway Services, as is the gas station parcel to the north. The parcels to the west and south are zoned CO - Administrative and Professional Office, and are developed with offices and a child care center. Residential uses are found to the north, beyond Jacklin Road, to the west, beyond N. Hillview Drive, and to the east, beyond the I-680 freeway.

## THE APPLICATION

The Use Permit amendment applications are submitted pursuant to Sections 57.02-15.1 (Conditional Use Permit for telecommunication antenna facilities) and the "S" Zone amendment

application is submitted pursuant to Section 42.10-2 (Applications for modifications of or amendment) of the Milpitas Zoning Ordinance.

The applicant proposes to construct a 62'-10" tall clock tower to house and conceal a total of 12 telecommunication antennas and associated equipment. The clock tower is proposed at the western end of the existing building, just south of the exterior wood staircase that leads to the second floor fitness center. The service providers, AT&T (P-UA2003-5) and Cingular (P-UA2003-10) each propose to house 6 of each of their antennas. As indicated on Sheet A2 and A3 of the project plans, the antennas would be located in the upper portion of the tower, just under the eaves. Each service provider proposes 3 new antennas each on the uppermost portion of the clock tower and another row of 3 each immediately below (a 2-foot vertical antenna separation for the Cingular antennas and a 1-foot vertical separation for the AT&T antennas). The antennas are proposed on the north, west and south interior elevations of the clock tower.

The equipment cabinets for both providers would be located on an equipment room floor approximately 18'-7" from the ground (1/3 of the height of the structure). The 6' x 2' cabinets would be installed on the east and west interior elevations.

#### Conformance with the General Plan and Zoning Ordinance

The proposed project complies with the City's General Plan in terms of Policy 2.a-I-7. The proposed project provides a service that supports surrounding businesses, which can assist in expanding employment, facilitating communications and promoting business retention. In addition to supporting local businesses, the telecommunications facility also supports Milpitas residents and I-680 freeway travelers. The project also complies with the City's Zoning Ordinance, which allows for telecommunications facilities as conditional uses in all zoning districts. In addition, the clock tower complies with the development standards for the Highway Service "HS" District, as described below:

"HS" Development Standards	Proposed Project	Complies?
Building height: No limitation.	Overall clock tower height is 62'- 10"	Yes
Front yard setback: None required.	53 feet measured from building front to property line.	Yes
Side and rear yards: None required	Side yards: 6 feet and 83 feet. Rear yard: 5 feet.	Yes
Floor Area Ratio: 50% maximum	35% (17,256 SF building area, 49,659 SF parcel area)	Yes
Areas for collecting/loading recyclable materials	Trash/recycling enclosure is located near the monopole.	Yes
Parking requirement: 51 stalls	50 stalls (see parking section for project revision)	No, see pg. 4

## ISSUES

### Structure Architecture

The architecture of the clock tower structure is proposed to match and complement that of the existing main building. The exterior of the clock tower would be stucco and would mimic the arched recessed elements found on all the elevations of the building. The clock tower roof incorporates the same ceramic tiles as the main building roof, however, a peaked rather than a mansard style roof is proposed. In addition to complementing the architectural style, the clock tower would match the existing color scheme of the main building.

The tower proposes functioning clocks on all four elevations. Each clock face would have a diameter of approximately 8 feet. Specifics, such as the material, color and details of the clock face have not yet been submitted and **staff recommends** a condition of approval that this be submitted and reviewed by staff at the time of building permit application.

### Parking

The proposed location of the clock tower on the west side of the building would partially be situated in a landscape area and partially in the parking lot atop two spaces, as indicated on Sheet A1. The affected parking area, which consists of 4 parking spaces, is shown to result in the loss of 1 parking space. Since, the southwest leg of the clock tower would obstruct a parking space, a 4'6" wide striped safety area is proposed at the structure's base. It is the inclusion of this striped area that reduces the width of the fourth parking stall. In speaking with the applicant and architect, a solution has been discussed to eliminate any impacts on the existing parking at the subject site.

The new concrete curb, as shown on Sheet A2, would be shifted 3 feet north of the proposed location (a total of 7 feet north of its current location). By doing so, the area beneath the tower would be wide enough to accommodate a standard size parking space of 9 feet. This would require the fourth parking space to be re-striped. A reduction in the landscape area would also result and is discussed in the section that immediately follows. **Staff recommends** a condition of approval that the applicant submit revised plans at the time of building permit application that reflects the new curb location shifted 3 feet north thereby maintaining 4 parking spaces which are consistent with parking stall width provisions in the Zoning Ordinance.

### Landscaping

As stated in the previous section, a loss of landscape area would result with the project as proposed. The total landscape area affected is approximately 215 square feet along the western side of the existing building and consists of grass and shrubbery. No trees are located in the affected area and none are proposed to be removed as part of the application. Staff's recommendation above, to relocate the curb further north by 3 feet, will not have any impact on the affected landscape area. Thus, **staff recommends** a condition of approval that the applicant submit a revised landscape plan at the time of building permit application to show the 215 square foot replacement landscaping.

48

## Community Impact

The project is not anticipated to create any adverse impacts to surrounding land uses, in terms of traffic, parking, noise, odors or radio frequency emissions. Antenna sites are unmanned, and once installed, only require maintenance and repairs as needed, therefore no impacts on traffic or parking are anticipated. In addition, the antennas do not generate any noise and the associated equipment to be located within the mechanical room on the 9<sup>th</sup> floor is not anticipated to create any noise impacts. Also, no odors are associated with this type of telecommunications facility.

In terms of radio frequency emissions, the Federal law preserves the City's authority to regulate the placement, construction, and modification of personal wireless service facilities (47 U.S.C. 332(c)(7)(A).) However, federal law does impose a limitation on this authority in the area of radio frequency (RF) emissions. The City is prohibited by federal law from regulating the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of RF emissions to the extent the facilities comply with the Federal Communications Commission's (FCC) regulations concerning such emissions. (47 U.S.C. 332(c)(7)(B)(iv).

The FCC has established guidelines that place limits on human exposure to RF fields generated by personal wireless service facilities. These guidelines have been endorsed by the U.S. Environmental Protection Agency and the Food and Drug Administration. The FCC requires all personal wireless facilities to comply with these guidelines.

The City, however, may still verify that applicants are in compliance with the FCC's guidelines. Therefore, the City requires applicants applying for use approval for any telecommunications device to submit a power density report. This report is reviewed by the City's Telecommunications Advisory Commission to ensure compliance with the FCC's guidelines. To the extent that an applicant's facilities, as proposed, are not in compliance with the FCC's guidelines, the City may require the applicant to make appropriate modifications to the facilities to ensure compliance.

## Telecommunications Commission Review

The City's Telecommunications Commission reviewed this antenna project on February 24, 2002, and concluded that the applicants are in compliance with the FCC guidelines. The Commission did, however, recommend the posting of signage at the building's fire control point (fire alarm/utilities shut-off). The Commission's intent is that the signage explain the existence of hidden antennas on this building, so that in the event of an emergency to which the Fire Department responds, Fire personnel will be aware of the antenna site. The intent was also to provide a means by which the Fire Department could obtain a shutdown of the antenna sites in the event of a building emergency. *Staff recommends* Condition of Approval No. 5 to address this issue.

## ENVIRONMENTAL REVIEW

An Initial Study and Draft Negative Declaration were prepared for the project. The commenting period began on May 7, 2003 and will close on May 27, 2003. As of this time, staff has not

48

received any comments in regards to the proposed clock tower antenna facility. Should any comments arise between the final draft of this report and the Planning Commission hearing on May 28, 2003, staff will present all comments at that time. The proposed clock tower antenna facility had the following impact that was considered to be less than significant:

There would be a less than significant impact in regards to aesthetics, as a result of the proposed clock tower antenna facility, as there could be a potential for the project to substantially degrade the existing visual character or quality of the site and its surroundings. However, from viewpoints in the City, the clock tower is only 256 sq. ft. (16' x 16') and its projection and visibility would be minor in terms of the larger scenic resources (hills) that span the entire eastern perimeter of the City. In addition, the proposed clock tower is a much more aesthetically pleasing structure to house telecommunication antennas and associated equipment than the existing 61'-1" monopole on the site with numerous antenna panels and wire projecting from it. Also, the structure is proposed to complement the existing structure, matching its architectural elements, materials and colors which will assist in blending in with the existing building and site. Thus, the proposed project is considered to be a less than significant impact.

## RECOMMENDATION

Close the Public Hearing. Approve Use Permit Amendment Nos. P-UA2003-5 (AT&T) and P-UA2003-10 (Cingular) and "S" Zone Amendment P-SA2003-22 and adopt the related Negative Declaration (Environmental Impact Assessment No. P-EA2003-5) subject to the Findings and Special Conditions listed below.

## FINDINGS

1. The proposed project complies with the City's General Plan in terms of Policy 2.a-I-7. The proposed project provides a service that supports surrounding businesses, which can assist in expanding employment, facilitating communications and promoting business retention. In addition to supporting local businesses, the telecommunications facility also supports Milpitas residents and I-680 freeway travelers.
2. The proposed project, as conditioned, complies with the City's Zoning Ordinance, which allows for telecommunications facilities as conditional uses in all zoning districts and is consistent with the Highway Service "HS" District development standards.
3. The project is not anticipated to create any adverse impacts to surrounding land uses, in terms of traffic, parking, noise, odors or radio frequency emissions, since the antenna sites are unmanned, they do not generate any noise and the associated equipment to be located within the mechanical room on the 9<sup>th</sup> floor, and no odors are associated with this type of telecommunications facility.
4. The project, as reviewed in the proposed Negative Declaration, will not create any significant environmental impacts as defined by the California Environmental Quality Act.

48

## SPECIAL CONDITIONS

1. This approval is for Use Permit Amendment Nos. P-UA2003-5 (AT&T) and P-UA2003-10 (Cingular) for the installation of 12 telecommunication antenna (6 for AT&T and 6 for Cingular) and associated equipment cabinets all concealed within a clock tower at 1000 Jacklin Road, as shown on the approved plans dated May 28, 2003. Any modifications to the Use Permit or conditions of approval require Planning Commission approval. (P)
2. The "S" Zone Amendment P-SA2003-22 approval is for a 256 square foot, 62'-10" clock tower on the west side of the main building, as depicted on the approved plans dated May 28, 2003. Minor changes to the "S" Zone amendment, as described in Section 42.10-2 of the Zoning Ordinance, may be reviewed by Planning Staff or Planning Commission Subcommittee. (P)
3. Prior to building permit issuance, the plans shall indicate the clock tower structure and roof materials and colors, which shall match that of the existing main building located at 1000 Jacklin Road. (P)
4. Prior to building permit issuance, details of the clock shall be submitted and reviewed by the Planning Division. (P)
5. Prior to building permit issuance, the project and plans shall conform with the following Fire Department and FCC requirements (P, F):
  - a) The tower access locations and near antennas shall be labeled for the hazard with a sign approved for location and content by the Fire Department.
  - b) Each antennae shall be identified to denote its function, i.e., transmitter or receiver antennae. Shut down of transmitter antennas shall be provided. Contact the Fire Department for specifics on the requirements for shutdown. An indicator light shall be incorporated in the shutdown system. Shutdown procedures shall be reviewed and approved by the Fire Department.
  - c) With the issuance of a permit for installation, an inspection shall be performed by the Fire Department to verify labeling, signage and transmission shutdown. Inspection fees shall apply.
6. Prior to building permit issuance, the plans shall include a landscape plan which indicates the location, type and size of the 215 square feet of replacement landscaping, due to approved location of the clock tower. (P)
7. Prior to building permit issuance, the plans shall reflect the new curb location on the west side of the building, immediately below the proposed clock tower, to be shifted 3 feet north of the proposed location in order to maintain the 4 parking spaces that currently exist. The parking stalls shall be consistent with the parking stall dimensions provided in the Zoning Ordinance. (P)
8. This use shall be conducted in compliance with all appropriate federal, state and local laws and regulations and in conformance with the approved plans. (P)

48

9. If at the time of application for building permit there is a project job account balance due to the City for recovery of fees, review of permits will not be initiated until the balance is paid in full. (P)

Planning Division = (P)

Fire Department = (F)

## NOTES TO THE APPLICANT

The following notes pertain to administration of the City codes and ordinances that are not part of the Zoning Ordinance regulations. The applicant shall not consider these notes as approval from any Department. Additional requirements may be made prior to permit issuance. These notes are provided to assist in the permit process if approval is granted.

**BUILDING DIVISION** [For further information regarding the following notes please contact Veronica Valenti at (408) 586-3241]

1. Applicable codes shall be 2001 CBC, CPC, CMC, CEC, California Energy Code, CFC and 2002 Milpitas Municipal Code.
2. Plans shall be prepared and designed by an engineer or architect licensed in the State of California. Provide complete structural design calculations (vertical and lateral), construction plans and details when applying for a building permit.
3. Allowable building area for all buildings shall be as per 2001 CBC, Section 504 and Table 5B. The total allowable area shall be the existing building plus the clock tower. Project submitted does not provide information of existing building.
4. Roofing material shall be as per 2001 CBC, Table 15-A.
5. All equipment weighing over 400 pounds shall be seismically anchored and braced as per 2001 CBC, Section 1632. Provide complete structural design calculation (vertical and lateral) and construction details when applying for building permit. Plans and calculation shall be wet signed and stamped by a Civil Engineer in the State of California.
6. All new electrical services shall be underground as per 2002 Milpitas Municipal Code, Section II-6-2.04.
7. All electrical equipment shall be provided with access and working clearances to permit ready and safe operation and maintenance per CEC, Articles 110-33 and 110-34.

**FIRE DEPARTMENT** [For further information regarding the following notes please contact Jaime Garcia at (408) 586-3369]



48

1. The 2001 triennial edition of the California Code of Regulations, Title 24 (California Building Standards Code) applies to all occupancies that applied for a building permit on or after November 1, 2002.
2. Portable fire extinguishers shall be installed in occupancies and locations as set forth in the code, California Code of Regulations Title 19, Division 1, and Chapters 1 and 3 and as required by the Milpitas Fire Chief. Section 1002.1 CFC (California Fire Code).
3. The new clock tower shall have automatic fire sprinklers. For the purpose of determining the requirement for automatic fire sprinkler protection, the clock tower is considered as part of the existing building.
4. Alterations to the automatic fire sprinkler system and/or fire detection system requires shop drawings to be submitted to the Fire Department for review and approval prior to alteration.
5. Approved access and access ladder shall be provided to all floor levels within the tower. Provide KNOX lock (quantity and location to be determined by the Fire Dept.) for Fire Department access. Section 902.4, CFC.
6. If hazardous materials are intended to be stored, transported on site, used or handled, in an amount requiring a permit, a Hazardous Materials Business Plan (HMBP) shall be submitted to the Fire Department by the business responsible. If hazardous materials are not intended to be stored, transported on site, used or handled in an amount requiring a permit, a Hazardous Materials/Waste Registration Form and/or a Hazardous Materials Exemption Declaration shall be submitted to the Fire Department by the business responsible. No final inspection to all or any portion of the development shall be deemed complete and no certificate of occupancy shall be issued until this requirement has been met. CFC Section 105.4 as amended by Section V-300-2.01 MMC.
7. NFPA 704 signs shall be provided for identification of the hazards of materials.

ENGINEERING DIVISION [For further information regarding the following notes please contact Robert Wang at (408) 586-3327]

1. It is the responsibility of the applicant to obtain any necessary encroachment permits from affected agencies or private parties. Copies of these approvals or permits must be submitted to the City of Milpitas Engineering Division.
2. Prior to building permit issuance, the applicant must pay all applicable development fees, including but not limited to, plan check and inspection deposit.
3. The U.S. Environmental Protection Agency (EPA) has empowered the San Francisco Bay Regional Water Quality Control Board (RWQCB) to administer the National Pollution

48

Elimination Discharge System (NPDES) permit. The NPDES permit requires all dischargers to eliminate as much as possible pollutants entering our receiving waters. Contact the RWQCB for questions regarding your specific requirements at (800) 794-2482. For general information, contact the City of Milpitas at (408) 586-3329.

4. The Flood Insurance Rate Map (FIRM) issued by the Federal Emergency Management Agency (FEMA) under the National Flood Insurance Program shows this site to be in Flood Zone "X".

Photosimulation of proposed telecommunications facility as seen looking south from the plaza parking lot

CAR WA  
EXI

 **cingular™**  
WIRELESS

**SF-926-01**



**AT&T Wireless**

**Milpitas 4/#732**

**Milpitas Health  
& Fitness**

1000 Jacklin Road  
Milpitas, CA 95035

CAR WA  
EXI

Photosimulation of proposed telecommunications facility as seen looking east from the plaza parking lot

 **cingular™**  
WIRELESS

**SF-926-01**

 **AT&T Wireless**

**Milpitas 4/#732**

**Milpitas Health  
& Fitness**

1000 Jacklin Road  
Milpitas, CA 95035



## Existing



**cingular™**  
WIRELESS

**SF-926-01**



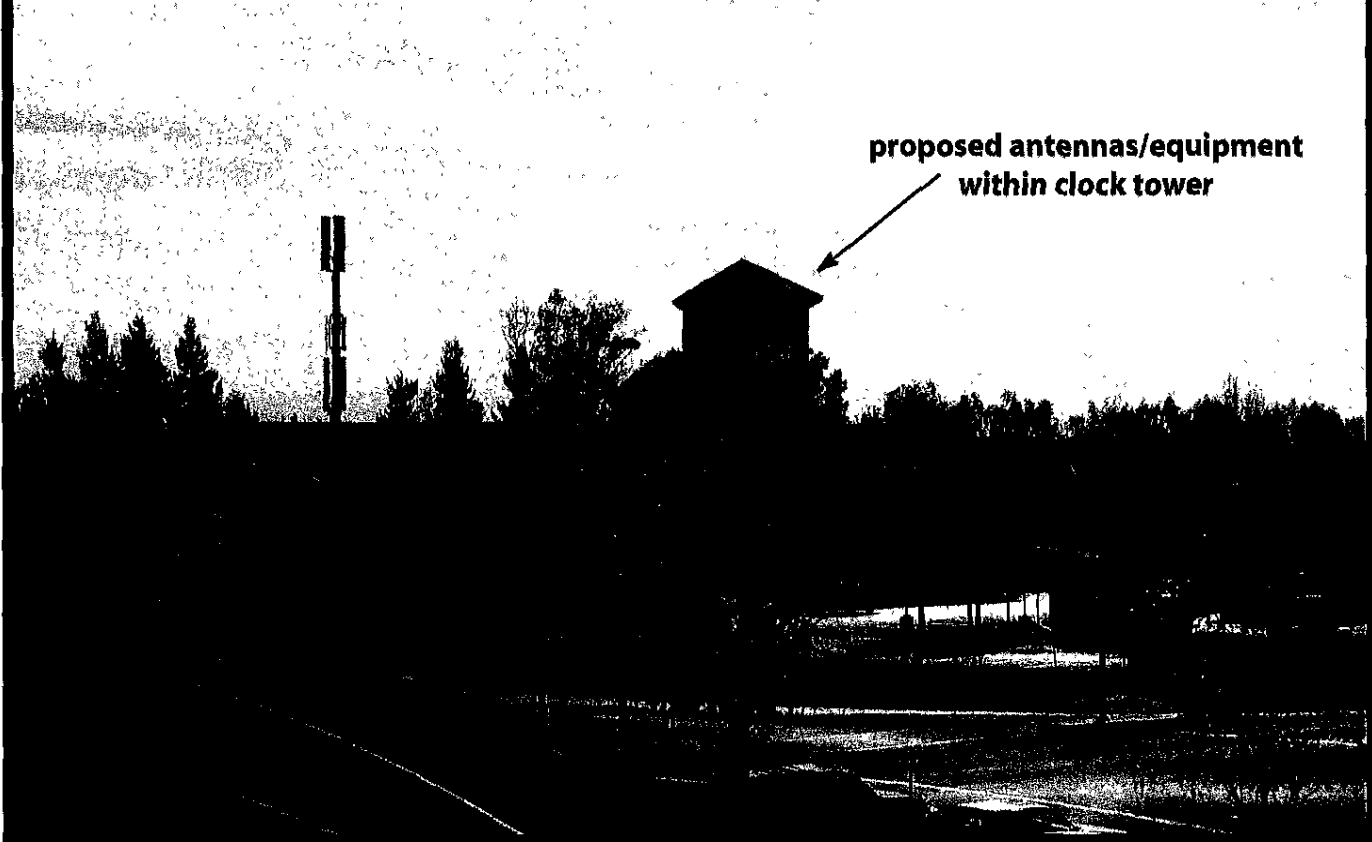
**AT&T Wireless**

**Milpitas 4/#732**

**Milpitas Health  
& Fitness**

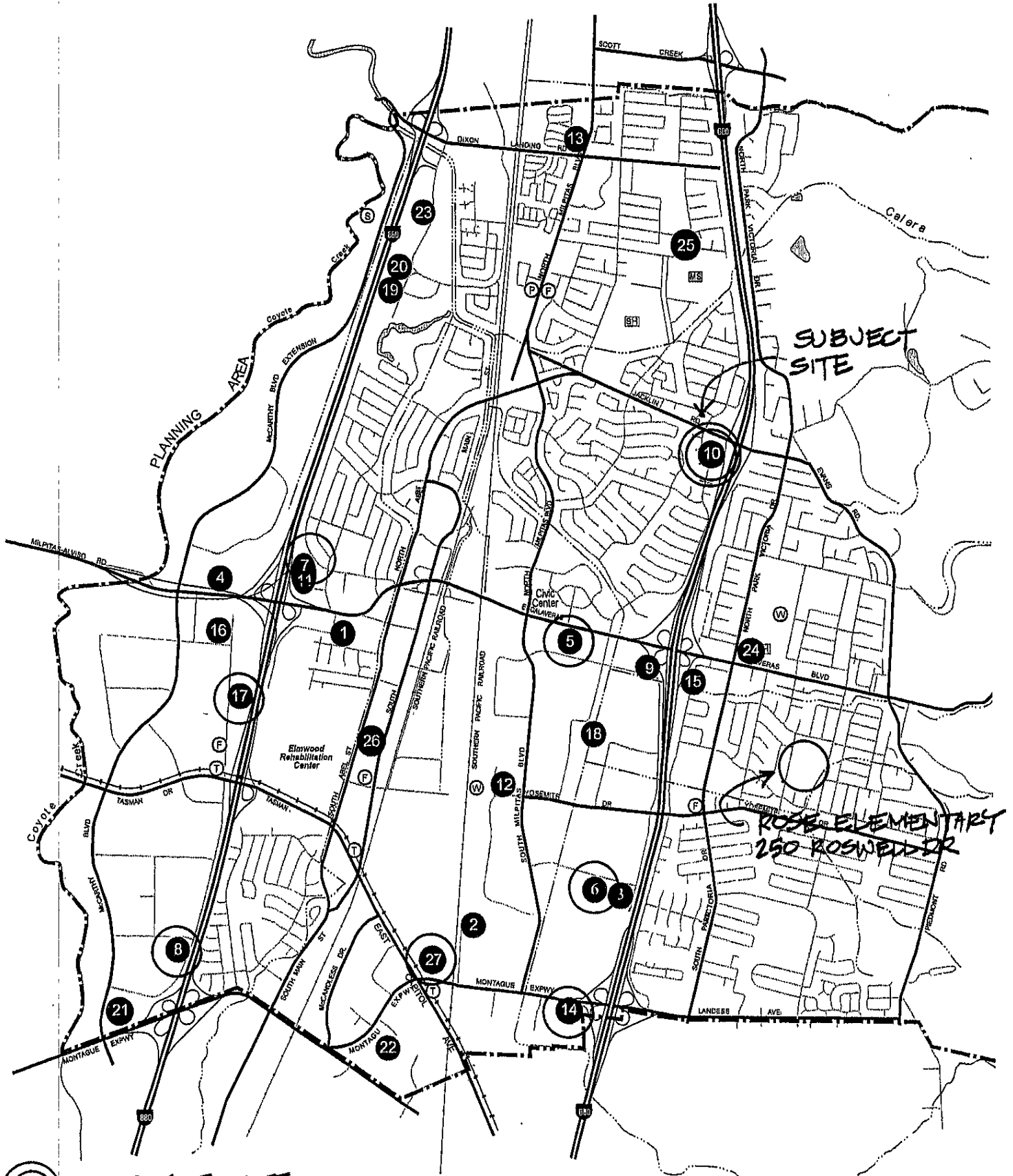
1000 Jacklin Road  
Milpitas, CA 95035



## Proposed



proposed antennas/equipment  
within clock tower

Photosimulation of proposed telecommunications facility as seen looking west from the 680 freeway



- 
SUBJECT SITE
- 
EXISTING SITES

CINGULAR WIRELESS

## **AT&T WIRELESS**

**Milpitas 4/#732**

### **APPLICATION FOR A CONDITIONAL USE PERMIT**

**CITY OF MILPITAS**

**APN: 028-05-015**

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#### **ALTERNATIVE SITE ANALYSIS:**

Towards the end of the year in 2000, AT&T Wireless Services (formerly CellularOne) submitted a Conditional Use Permit Application to the City of Milpitas to construct a 50 foot Monopole at 1585 Roger Street Milpitas. This proposed monopole was to be located in the Milpitas School Districts Corporation Yard. AT&T Wireless worked with the City of Milpitas and held a community outreach meeting on December 6, 2000. As a result of this meeting AT&T Wireless listened to the neighbors concerns and worked with the City of Milpitas to find an alternative location. It was suggested by the City of Milpitas (Jonelyn Whales) that AT&T Wireless should review the possibility of locating at 1000 Jacklin Road since there are existing wireless communication sites located on this parcel. Since the first application submittal, AT&T Wireless has evaluated 1000 Jacklin Road and has decided that this is a viable location for this proposed wireless communication site. The new proposed wireless location is 1000 Jacklin Road Milpitas commonly known as APN: 028-05-015.

#### **PREVIOUS ALTERNATIVE SITE ANALYSIS (for first conditional use permit application):**

AT&T Wireless conducted a windshield survey and was not able to find any existing buildings or structures in the height of 50 feet located within the "search ring". However, there were two parks located within a half-mile of the proposed project location. The first park is known as Saddle Wood Park and is located on Esquela Parkway, approximately a half-mile from the proposed project location. The second park is known as Albert Augustine Memorial Park, and is located on Coelho Street, approximate a quarter-mile from the proposed project location. These two open space locations were the only other alternative for AT&T's project. However, AT&T Wireless did not pursue these locations, since the Milpitas School Districts Corporation Yard seemed to be a more suitable location for the proposed project.

*Other locations that were originally reviewed but were located outside of the "search ring" (a half to three fourths-mile radius) are as follows:*

1. Foothill Square located at 401 Jacklin Road, located approximately one mile southwest of the proposed project location.
2. Lion Food Center located at 1838 Milpitas Blvd., approximately one mile west of proposed project location.
3. Greater Love Church in Christ located at 159 Dixon Road, approximately one mile northwest of the proposed project location.

The three locations that are listed above were not possible candidates for the wireless project. All three of these locations are approximately one mile from the proposed project location. Since these location are located outside of the "search ring" (a half to three fourths-mile radius from proposed location) these locations were not viable candidates and therefore not pursued.

City of Milpitas  
Planning Division  
455 E. Calaveras Blvd.  
Milpitas, CA 95035  
(408) 586-3279

**Questionnaire for Telecommunication Facility Providers** \*

All applicants requesting to install telecommunications facilities within the City of Milpitas must complete this questionnaire as part of their use permit application submittal.

Applicant Name: AT&T Wireless Services, Inc. - c/o Victoria Willcox

Applicant Address: 1651 Gateway Blvd. Suite 1500 So. S.F., CA 94080

Applicant Phone: 408-391-4884

Applicant Fax and e-mail address: Victoria-Willcox@yahoo.com

Provide a brief description of project (Telecommunications Facility): Co-located clock tower to enclose six At&T and six circular antennas. Equipment for both carriers will be located within the clock tower. Clock tower will be painted to match the existing building.

Location of Project: Milpitas Health and Fitness - 1000 Jacklin Rd. Milpitas, CA 95035

1. Please indicate below the frequency range you plan to use?

- ☐ VHF Low-Band (30-50 Mhz or 72-76 Mhz)
- ☐ VHF High-Band (136-174 Mhz or 220-222 Mhz)
- ☐ UHF or T-Band (406-420 Mhz or 450-470 Mhz or 470-512 Mhz)
- ☐ 800 or 900 Mhz Band (800-960 except 900 Mhz Spread Spectrum)
- ☐ 900 Mhz Spread Spectrum (902-928 Mhz)
- ☒ Other than specified above (State frequency band in Mhz). Describe: 824-894 MHz / 1850-1990 MHz

2. Please indicate below the channel/system proposed for use?

- ☐ A single channel
- ☒ Multiple channel
- ☐ A frequency agile system
- ☐ A spread spectrum system
- ☐ Other than specified above. Describe: \_\_\_\_\_

3. Please indicate below the frequency range you plan to use?

- ☐ Narrow band ( $\pm 5$  KHz or less deviation)
- ☒ Broad band (greater than  $\pm 5$  KHz deviation)
- ☐ Spread Spectrum
- ☐ Other than specified above. Describe: \_\_\_\_\_



4. What will be the effective radiated power (ERP) be when all channels at your proposed site are radiating? 1100 Watts Will the site be in compliance with current ANSI radiation health standards? Yes
5. What horizontal radiation pattern is planned for this project?
- ☐ Omnidirectional  
☒ Sectoral  
☒ Directional (provide half power beam width) 70° (Both)
6. What will the vertical radiation angle (half power beam width) be for your proposed antenna(s)?  
15 (cellular) / 6.5° (Pcs)
7. How high above the local terrain (e.g., surrounding structures) will the center of radiation of your proposed antenna(s) be? 47 1/2 feet feet
8. How close to your proposed project is the nearest roadway ~240 feet feet/miles and, if elevated, what is the roadway's height above the local terrain? N/A feet
9. How close to your proposed project is the nearest regularly occupied building and how high is the top floor above local terrain? COLOCATED + 24"
10. What is the distance to the nearest existing radio communications or broadcast antenna(s) if less than 1/2 mile? NONE feet/miles. Answer question 1 for such existing antenna(s) and identify owner/operator, if known. HOWEVER, THERE IS AN EXISTING MONOPOLE LOCATED ON THE SAME PROPERTY. THE PROPOSED CUPK TOWER IS APPROXIMATELY ~200 FT. FROM MONOPOLE. CARRIERS ON MONOPOLE ARE VERIZON, SPRINT, & NEXTEL.
11. What is the status of your FCC license grant? CURRENT  
 (Include a \*copy of the license with submittal of this questionnaire.)

**NOTE:** The below listed items are required by the applicant as part of this submittal:

- Provider's build-out map\* showing all sites anticipated within Milpitas (see question no. 2)
- Photo simulations\*\* of antenna(s) as viewed from at least three surrounding view points. Show "worst case" vantage points.
- List of all sites that were investigated\*\* for a particular search ring and the reasons why they were discarded. Include names and phone numbers of persons contacted regarding potential sites.
- Copy of applicants Power Density Study\* (see item no. 4).

\* 20 copies (Telecommunication Commission)

\*\* 35 copies (Telecommunication Commission & Planning Commission)

Back of  
Telecommunication Questionnaire

**Cingular Wireless Site SF 926  
1000 Jacklin Road, Milpitas Health & Fitness Club**

**Attachment to  
Questionnaire for Telecommunication Facility Providers**

**c)     *Sites considered for search ring:***

This site is intended to improve capacity on the heavily traveled I-680 freeway, and on Jacklin Road. Because the freeway is elevated in this area, and the terrain slopes away on either side, the subject site was the most attractive option in terms of line-of-sight for the antenna signals.

The existing monopole on the property already contains Sprint, Verizon and Nextel antennas, and in order to support Cingular's antennas, the monopole would need to be extended in height. This did not appear to be in compliance with the City's policies, nor did the underlying property owner want additional equipment on the monopole. At the request of the property owner, Cingular pursued a design with the antennas on the building roof. That location was suitable for Cingular, and was approved by the City, but was then determined to be structurally infeasible by Cingular's engineer. The subject proposal locating the antennas in a clock tower was proposed instead.

The next possible candidate would have been Milpitas High School to the northwest. However, it is at a lower elevation, and did not afford as efficient coverage of the freeway.

FROM :

FAX NO. :

May. 15 2003 03:25PM P2

May. 15, 2003 3:13AM

Hammett&Edison, Inc. 707/996-5280



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
RADIO AND TELEVISION

WILLIAM F. HAMMETT, P.E.  
DAN E. BRICKEN, P.E.  
STANLEY SALEK, P.E.  
ROBERT D. WELLER, P.E.  
MARK D. NEUMANN, P.E.  
ROBERT P. SMITH, JR.  
RAJAT MATHUR

ROBERT L. HAMMETT, P.E.  
1920-2002

EDWARD EDISON, P.E.

\*BY FAX 408/227-3328 5/16 9AM

BY NEXT BUSINESS DAY

May 15, 2003

Ms. Victoria Peters  
AT&T Wireless  
119 Ash Grove Court  
San Jose, California 95123

Dear Victoria:

As you requested, we have updated our study of the RF exposure conditions near the AT&T Wireless base station (Site No. 732) proposed to be located at 1000 Jacklin Road in Milpitas, California. Two copies of our report are enclosed, incorporating additional details about the measured, calculated and combined RF levels. As expected, fields in publicly accessible areas at the site are still calculated to be well below the applicable limits.

We appreciate the opportunity to be of service and would welcome any questions on this material. Please let me know if we may be of additional assistance.

Sincerely yours,

William F. Hammett

as

Enclosures

e-mail: [bhammett@h-e.com](mailto:bhammett@h-e.com)  
US Mail: Box 280068 • San Francisco, California 94128  
Delivery: 470 Third Street West • Sonoma, California 94976  
Telephone: 707/996-5200 San Francisco • 707/996-5280 Facsimile • 202/996-5200 D.C.

AT0732596

**AT&T Wireless • Proposed Base Station (Site No. 732)  
1000 Jacklin Road • Milpitas, California**

**Statement of Hammett & Edison, Inc., Consulting Engineers**

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by AT&T Wireless, a personal wireless telecommunications carrier, to evaluate the base station (Site No. 732) proposed to be located at 1000 Jacklin Road in Milpitas, California, for compliance with appropriate guidelines limiting human exposure to radio frequency electromagnetic fields.

**Prevailing Exposure Standards**

The U.S. Congress requires that the Federal Communications Commission ("FCC") evaluate its actions for possible significant impact on the environment. In Docket 93-62, effective October 15, 1997, the FCC adopted the human exposure limits for field strength and power density recommended in Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements ("NCRP"). Separate limits apply for occupational and public exposure conditions, with the latter limits generally five times more restrictive. The more recent Institute of Electrical and Electronics Engineers ("IEEE") Standard C95.1-1999, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," includes nearly identical exposure limits. A summary of the FCC's exposure limits is shown in Figure 1. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

The most restrictive thresholds for exposures of unlimited duration to radio frequency ("RF") energy for several personal wireless services are as follows:

Personal Wireless Service	Approx. Frequency	Occupational Limit	Public Limit
Personal Communication ("PCS")	1,950 MHz	5.00 mW/cm <sup>2</sup>	1.00 mW/cm <sup>2</sup>
Cellular Telephone	870	2.90	0.58
Specialized Mobile Radio	855	2.85	0.57
[most restrictive frequency range]	30-300	1.00	0.20

**General Facility Requirements**

Base stations typically consist of two distinct parts: the electronic transceivers (also called "radios" or "cabinets") that are connected to the traditional wired telephone lines, and the passive antennas that send the wireless signals created by the radios out to be received by individual subscriber units. The transceivers are often located at ground level and are connected to the antennas by coaxial cables about 1 inch thick. Because of the short wavelength of the frequencies assigned by the FCC for wireless services, the antennas require line-of-sight paths for their signals to propagate well and so are installed at some height above ground. The antennas are designed to concentrate their energy toward the



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
SAN FRANCISCO

AT0732596.3  
Page 1 of 4

**AT&T Wireless • Proposed Base Station (Site No. 732)  
1000 Jacklin Road • Milpitas, California**

horizon, with very little energy wasted toward the sky or the ground. Along with the low power of such facilities, this means that it is generally not possible for exposure conditions to approach the maximum permissible exposure limits without being physically very near the antennas.

**Computer Modeling Method**

The FCC provides direction for determining compliance in its Office of Engineering and Technology Bulletin No. 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation," dated August 1997. Figure 2 attached describes the calculation methodologies, reflecting the facts that a directional antenna's radiation pattern is not fully formed at locations very close by (the "near-field" effect) and that the power level from an energy source decreases with the square of the distance from it (the "inverse square law"). The conservative nature of this method for evaluating exposure conditions has been verified by numerous field tests.

**Site and Facility Description**

Based upon information provided by AT&T, including drawings by Diamond Services, dated December 17, 2002, it is proposed to mount three dualband (870/1950 MHz) Allgon Model 7920 and three PCS Allgon Model 7250 directional panel antennas within a new 57-foot clock tower to be located at 1000 Jacklin Road in Milpitas. The antennas would be mounted at an effective height of about 48 feet above ground and would be oriented in pairs (one dualband and one PCS) at 120° spacing, to provide service in all directions. The maximum effective radiated power in any direction would be 1,650 watts, representing the simultaneous operation of two cellular and four PCS channels at 275 watts each.

Proposed to be located within the same clock tower are six antennas for use by Cingular Wireless, another wireless telecommunications carrier. For the purposes of this study, it is assumed that Cingular will install EMS Model RR9017 directional panel antennas at the same height and will operate with a maximum effective radiated power of 1,500 watts.

Also located on a pole about 187 feet to the northeast are antennas for use by Verizon Wireless, Sprint PCS, and Nextel SMR. Measurements were conducted at the site by Mr. Rajat Mathur, a qualified engineer employed by Hammett & Edison, Inc., on June 17, 2002, and the maximum existing power density level observed at any publicly accessible location was 0.0025 mW/cm<sup>2</sup>, which would be 1.3% of the most restrictive public limit. For the combined operation of the existing RF services at the site as installed and operating at that time, the applicable public limit would likely be more relaxed. The measurement equipment used was a Wandel & Goltermann Type EMR-300 Radiation Meter (Serial No. P-0008) with a Type 8 Isotropic Electric Field Probe (Serial No. P-0036). Both meter and probe were under current calibration by the manufacturer.



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
SAN FRANCISCO

AT0732596.3  
Page 2 of 4

May 16, 2003 9:17AM

hammett&amp;edison, inc. 707-996-5280

**AT&T Wireless • Proposed Base Station (Site No. 732)  
1000 Jacklin Road • Milpitas, California**

**Study Results**

The maximum ambient RF level anywhere at ground level due to the proposed AT&T operation by itself is calculated to be 0.0015 mW/cm<sup>2</sup>, which is 0.22% of the applicable public exposure limit at cellular frequencies. The maximum ambient RF level anywhere at ground level due to the proposed Cingular operation by itself is calculated to be 0.0020 mW/cm<sup>2</sup>, which is 0.20% of the applicable public exposure limit at PCS frequencies. The maximum cumulative level due to both the proposed AT&T and the proposed Cingular operations is calculated to be 0.32% of the public limit. Finally, the maximum cumulative level at ground for the simultaneous operation of all five carriers is expected to be less than 1.5% of the public exposure limit. It should be noted that the cumulative levels given above are lower than the sum of the individual levels, since the maximum levels for the individual carriers do not necessarily occur at the same physical location.

**Recommended Mitigation Measures**

Since they are to be mounted within the clock tower, the AT&T and Cingular antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, no access within 8 feet in front of the AT&T and Cingular antennas themselves, such as might occur during maintenance or repair work on the clock tower, should be allowed while the site is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Posting explanatory warning signs\* at tower access location(s) and near the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

**Conclusion**

Based on the information and analysis above, it is the undersigned's professional opinion that the AT&T Wireless base station proposed to be located at 1000 Jacklin Road in Milpitas, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations.

\* Warning signs should comply with ANSI C95.2 color, symbol, and content conventions. In addition, contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health authority, or appropriate professionals may be required.



FROM :

FAX NO. :

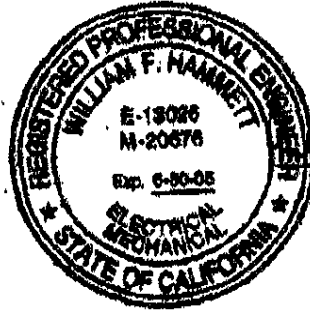
May. 16 2003 03:28PM P6

May 15, 2003 9:18AM Hammett&Edison, Inc. 707/886-5286

**AT&T Wireless • Proposed Base Station (Site No. 732)  
1000 Jacklin Road • Milpitas, California**

**Authorship**

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2005. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.



*William F. Hammett*  
William F. Hammett, P.E.

May 15, 2003



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
SAN FRANCISCO

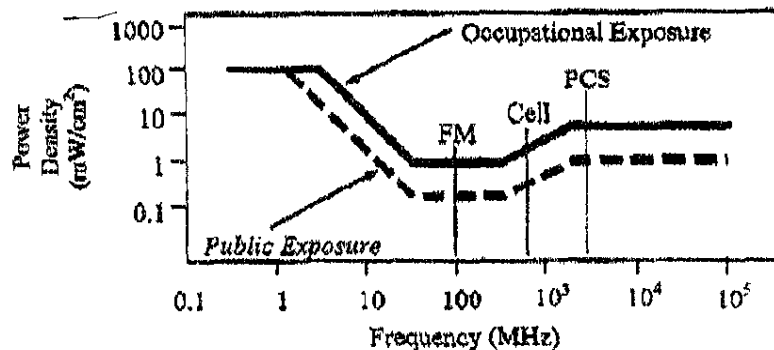
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Page 4 of 4

## FCC Radio Frequency Protection Guide

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements, which are nearly identical to the more recent Institute of Electrical and Electronics Engineers Standard C95.1-1999, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz." These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

As shown in the table and chart below, separate limits apply for occupational and public exposure conditions, with the latter limits (in *italics* and/or dashed) up to five times more restrictive:

Frequency	Electromagnetic Fields (f is frequency of emission in MHz)					
Applicable Range (MHz)	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm <sup>2</sup> )	
0.3 - 1.34	614	614	1.63	1.63	100	100
1.34 - 30	614	823.8/f	1.63	2.19/f	100	180/f <sup>2</sup>
30 - 300	1842/f	823.8/f	4.89/f	2.19/f	900/f <sup>2</sup>	180/f <sup>2</sup>
300 - 3000	61.4	27.5	0.163	0.0729	1.0	0.2
3000 - 15000	3.54√f	1.59√f	√f/106	√f/238	8300	f/1500
15000 - 100,000	137	61.4	0.364	0.163	5.0	1.0



Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits, and higher levels also are allowed for exposures to small areas, such that the spatially averaged levels do not exceed the limits. However, neither of these allowances is incorporated in the conservative calculation formulas in the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) for projecting field levels. Hammett & Edison has built those formulas into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radio sources. The program allows for the description of buildings and uneven terrain, if required to obtain more accurate projections.



## RFR.CALC™ Calculation Methodology Assessment by Calculation of Compliance with Human Exposure Limitations

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements, which are nearly identical to the more recent Institute of Electrical and Electronics Engineers Standard C95.1-1999, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz." These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits.

**Near Field.** Prediction methods have been developed for the near field zone of panel (directional) and whip (omnidirectional) antennas, typical at wireless telecommunications cell sites. The near field zone is the distance from an antenna before which the manufacturer's published, far field antenna patterns have formed; the near field is assumed to be in effect for increasing D until three conditions have been met:

$$1) D > \frac{2h^2}{\lambda} \quad 2) D > 5h \quad 3) D > 1.6\lambda$$

where h = aperture height of the antenna, in meters, and  
 $\lambda$  = wavelength of the transmitted signal, in meters.

The FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) gives this formula for calculating power density in the near field zone about an individual RF source:

$$\text{power density } S = \frac{180}{\theta_{BW}} \times \frac{0.1 \times P_{net}}{\pi \times D \times h}, \text{ in mW/cm}^2,$$

where  $\theta_{BW}$  = half-power beamwidth of antenna, in degrees, and  
 $P_{net}$  = net power input to the antenna, in watts.

The factor of 0.1 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates the distances to the FCC public and occupational limits.

**Far Field.** OET-65 gives this formula for calculating power density in the far field of an individual RF source:

$$\text{power density } S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}, \text{ in mW/cm}^2,$$

where ERP = total ERP (all polarizations), in kilowatts,  
 RFF = relative field factor at the direction to the actual point of calculation, and  
 D = distance from the center of radiation to the point of calculation, in meters.

The factor of 2.56 accounts for the increase in power density due to ground reflection, assuming a reflection coefficient of 1.6 ( $1.6 \times 1.6 = 2.56$ ). The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radiation sources. The program also allows for the description of uneven terrain at the site, to obtain more accurate projections.



United States of America  
Federal Communications Commission



**RADIO STATION AUTHORIZATION**  
Commercial Mobile Radio Services  
Personal Communications Service - Broadband

AT&T WIRELESS PCS INC.  
N/A  
1150 CONNECTICUT AVENUE, N.W., 4TH FLOOR  
WASHINGTON, DC 20036

Call Sign: KNLG537  
Market: B397  
SALINAS-MONTEREY, CA  
Channel Block: E  
Filing Number: 01775-CW-L-97

The licensee hereof is authorized, for the period indicated, to construct and operate radio transmitting facilities in accordance with the terms and conditions hereinafter described. This authorization is subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts of Congress, international treaties and agreements to which the United States is a signatory, and all pertinent rules and regulations of the Federal Communications Commission, contained in the Title 47 of the U.S. Code of Federal Regulations.

Initial Grant Date . . . . . April 28, 1997  
Five Year Build Out Date . . . . . April 28, 2002  
Expiration Date . . . . . April 28, 2007

**CONDITIONS:**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, (47 U.S.C. 309(h)), this license is subject to the following conditions: This license does not vest in the licensee any right to operate a station nor any right in the use of frequencies beyond the term thereof nor in any other manner than authorized herein. Neither this license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended (47 U.S.C. 151, et seq.). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended (47 U.S.C. 606).

(Conditions continued on Page 2)

**WAIVERS:**

No waivers associated with this authorization.



## Federal Communications Commission

## Wireless Telecommunications Bureau

## Radio Station Authorization

<b>Call Sign:</b> KNLG542	<b>File Number:</b> 0000030525	<b>Print Date:</b> 12/03/1999
---------------------------	--------------------------------	-------------------------------

**Name of Licensee:**

Attention: Douglas I. Brandon  
 AT&T Wireless PCS, LLC  
 1150 Connecticut Avenue, N.W., 4th Floor  
 Washington DC 20036

<b>Market Number:</b> BTA404	<b>Channel Block:</b> D	<b>Sub-Market Designator:</b> 0
---------------------------------	----------------------------	------------------------------------

**Market Name:** San Francisco-Oakland-San Jose, CA

The license hereof is authorized, for the period indicated, to operate a radio transmitting station in accordance with the terms and conditions hereinafter described. This authorization is subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts of Congress, international treaties and agreements to which the United States is a signatory, and all pertinent rules and regulations of the Federal Communications Commission, contained in Title 47 of the code of Federal Regulations.

Effective Date	1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date	Expiration Date
04/28/1997	04/28/2002	04/28/2007			04/28/2007

**Conditions:**

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, (47 U.S.C. 309(h)), this license is subject to the following conditions: This license does not vest in the licensee any right to operate a station nor any right in the use of frequencies beyond the term thereof nor in any other manner then authorized herein. Neither this license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended, 47 U.S.C. 151, et seq. This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended, 47 U.S.C. 606.

**Special Conditions:**

Grant of this license is without prejudice to any future enforcement action the Commission may determine is appropriate regarding the bidding activities of AT&T Wireless PCS, Inc. in the D, E, and F block PCS auction.

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.



United States of America  
Federal Communications Commission

# RADIO STATION AUTHORIZATION

Commercial Mobile Radio Services  
Personal Communications Service - Broadband

PACIFIC TELESIS MOBILE SERVICES  
4420 Rosewood Drive  
Bldg. 2, 4th Floor  
Pleasanton, CA 94588

Call Sign: **KNLF209**  
Market: **M004**  
SAN FRANCISCO-OAKLAND-SAN JOSE  
Channel Block: **B**  
File Number: **00006-CW-L-95**

The licensee hereof is authorized, for the period indicated, to construct and operate radio transmitting facilities in accordance with the terms and conditions hereinafter described. This authorization is subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts of Congress, international treaties and agreements to which the United States is a signatory, and all pertinent rules and regulations of the Federal Communications Commission, contained in the Title 47 of the U.S. Code of Federal Regulations.

Initial Grant Date . . . . . June 23, 1995  
Five-year Build Out Date . . . . . June 23, 2000  
Expiration Date . . . . . June 23, 2005

## CONDITIONS :

Pursuant to Section 309(h) of the Communications Act of 1934, as amended, (47 U.S.C. § 309(h)), this license is subject to the following conditions: This license does not vest in the licensee any right to operate a station nor any right in the use of frequencies beyond the term thereof nor in any other manner than authorized herein. Neither this license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended (47 U.S.C. § 151, et seq.). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended (47 U.S.C. § 606).

Conditions continued on Page 2.

## WAIVERS :

No waivers associated with this authorization.



# CITY OF MILPITAS

455 EAST CALAVERAS BOULEVARD, MILPITAS, CALIFORNIA 95035-5479 • www.ci.milpitas.ca.gov

## NEGATIVE DECLARATION ENVIRONMENTAL IMPACT ASSESSMENT (EIA NO. P-EA2003-5)

A NOTICE, PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970, AS AMENDED (PUBLIC RESOURCES CODE 21,000 ET SEQ.), THAT THE CITY OF MILPITAS WILL NOT HAVE A SIGNIFICANT IMPACT ON THE ENVIRONMENT.

**Project Title:** Use Permits Amendment Nos. P-UA2003-5 and P-UA2003-10 and "S" Zone Amendment No. P-SA2003-12.

**Project Description:** The project applicant is requesting to amend previous use permits and site and architectural approvals for 9 telecommunication antennas housed in an additional building story for 12 antennas and associated equipment housed in a proposed 256 square foot clock tower, 62'-10" in height. The clock tower is proposed on the western side of the existing 17,000 square foot, two-story building partially in existing landscape area and parking lot at 1000 Jacklin Road.

**Project Location:** The project is located at 1000 Jacklin Road (APN: 028-05-015) at the SE corner of Jacklin Road and Hillview Avenue.

**Project Proponent:** AT&T Wireless Services, Inc., c/o Victoria Wilcox, 651 Gateway Blvd., Suite 1500, South San Francisco, CA 94080

The City of Milpitas Environmental Impact Committee has reviewed the Environmental Impact Assessment for the above project based on the information contained in the Environmental Information Form and the Initial Study, the Committee finds that the project will have no significant impact upon the environment, as recommended in the EIA.

Copies of the E.I.A. may be obtained at the Milpitas Planning Department, 455 E. Calaveras Boulevard, Milpitas, CA 95035.

By: *Emberly Skyeple*  
Planning Manager

By: *Stan Perera*  
Project Planner

POSTED ON 5/7/03 THROUGH 5/27/03  
IN THE OFFICE OF THE COUNTY CLERK-RECORDER  
BRENDA DAVIS, COUNTY CLERK

BY *LR* DEPUTY LAURA RIVAS

## ENDORSED

MAY 07 2003

BRENDA DAVIS, County Clerk-Recorder  
Santa Clara County

By *LR* Deputy  
EIA No. P-EA2003-5

General Information: 408.586.3000



**ENVIRONMENTAL  
IMPACT ASSESSMENT NO. P-EA2003-5**

Planning Division

455 E. Calaveras Blvd., Milpitas, CA 95035

(408) 586-3279

Prepared by: Staci Pereira May 7, 2003  
date

Title: Assistant Planner

1. Project title: Use Permits Amendment Nos. P-UA2003-5 and P-UA2003-10 and "S" Zone Amendment No. P-SA2003-12.
2. Project location: 1000 Jacklin Road (APN: 028-05-015)
3. Project sponsor's name and address:  
AT&T Wireless Services, Inc.,  
c/o Victoria Wilcox  
651 Gateway Blvd., Suite 1500  
South San Francisco, CA 94080
4. General plan designation: Highway Service 5. Zoning: Highway Service "HS" District
6. Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)  
Request to amend previous use permits and site and architectural approvals for 9 telecommunication antennas housed in an additional building story for 12 antennas and associated equipment housed in a proposed 256 square foot clock tower, 62'-10" in height. The clock tower is proposed on the western side of the existing 17,000 square foot, two-story building partially in existing landscape area and parking lot.
7. Surrounding land uses and setting: Briefly describe the project's surroundings:  
The subject site encompasses 1.14 acres at the southwest quadrant of I-680 and Jacklin Road. The site is a land-locked parcel located behind the Shell gasoline station, near the I-680 southbound on-ramp. The site is zoned Highway Services, as is the gas station parcel to the north. The parcels to the west and south are zoned Administrative and Professional Office, and are developed with offices and a child care center. Residential uses are found to the north, beyond Jacklin Road, to the west, beyond N. Hillview Drive, and to the east, beyond the I-680 freeway.
8. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Aesthetics                    | <input type="checkbox"/> Agriculture Resources     | <input type="checkbox"/> Air Quality         |
| <input type="checkbox"/> Biological Resources          | <input type="checkbox"/> Cultural Resources        | <input type="checkbox"/> Geology / Soils     |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Land Use / Planning |

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Mineral Resources           | <input type="checkbox"/> Noise                              | <input type="checkbox"/> Population / Housing     |
| <input type="checkbox"/> Public Services             | <input type="checkbox"/> Recreation                         | <input type="checkbox"/> Transportation / Traffic |
| <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |   |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☒ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Date: 5.7.03

Sandra Heyden  
Planning Manager

Staci Peterson  
Project Planner

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
<b>I. AESTHETICS:</b>						
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17
b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 17, 18
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2, 11, 17, 18
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
<b>II. AGRICULTURE RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:						
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 17
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 17
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 17



WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	

<b>III. AIR QUALITY:</b> (Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations). Would the project:						
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
<b>IV. BIOLOGICAL RESOURCES:</b> Would the project:						
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish & Games or U.S. Fish & Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish & Games or U.S. Fish & Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
<b>V. CULTURAL RESOURCES:</b> Would the project:						
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 14, 17
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 14, 17
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 14, 17
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 14, 17
<b>VI. GEOLOGY AND SOILS:</b> Would the project:						
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:						

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8, 11
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 14, 17
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
<b>VII. HAZARDS AND HAZARDOUS MATERIALS:</b>						
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
d) Be located on a site which is included on a list of hazardous materials compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17, 18
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17, 18
<b>VIII. HYDROLOGY AND WATER QUALITY:</b>						
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 18
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 18, 20
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or situation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
d) Substantially alter the existing drainage						

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 18
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 19
h) Place within a 100-year flood-hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 19
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17, 18
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17, 18
<b>IX. LAND USE AND PLANNING:</b>						
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 12
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 12
<b>X. MINERAL RESOURCES:</b>						
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
<b>XI. NOISE:</b>						
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
d) A substantial temporary or periodic in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17
<b>XII. POPULATION AND HOUSING:</b>						
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 17, 18
<b>XIII. PUBLIC SERVICES:</b>						
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:  Fire protection?  Police protection?  Schools?  Parks?  Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18
<b>XIV. RECREATION:</b>						

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 18
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have been an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11, 18
<b>XV. TRANSPORTATION/TRAFFIC:</b> Would the project:						
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 17, 18
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 12



WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	

g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 24
<b>XVI. UTILITIES AND SERVICE SYSTEMS:</b> Would the project:						
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 21
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 21
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 22
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 21
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 18
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 18

WILL THE PROJECT:	IMPACT					Source
	Cumulative	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact	

XVII. MANDATORY FINDINGS OF SIGNIFICANCE:						
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or pre-history?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2, 11, 17, 18
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 12, 17, 18, 20, 21, 22
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 12, 17, 18

**ENVIRONMENTAL IMPACT ASSESSMENT**  
**SOURCE KEY**

1. Environmental Information Form submitted by applicant
2. Project plans
3. Site Specific Geologic Report submitted by applicant
4. Traffic Impact Analysis submitted by applicant
5. Acoustical Report submitted by applicant
6. Archaeological Reconnaissance Report submitted by applicant
7. Midtown Program EIR
8. Alquist-Priolo Special Studies Zones Maps
9. BAAQMD Guidelines for Assessing Impacts of Projects and Plans
10. Santa Clara Valley Water District
11. Milpitas General Plan Map and Text
12. Zoning Ordinance and Map
13. Aerial Photos
14. Register of Cultural Resources in Milpitas
15. Inventory of Potential Cultural Resources in Milpitas
16. Field Inspection
17. Planner's Knowledge of Area
18. Experience with other project of this size and nature
19. Flood Insurance Rate Map, September 1998
20. June 1994 Water Master Plan
21. June 1994 Sewer Master Plan
22. July 2001, Storm Master Plan
23. Milpitas Midtown Specific Plan Map and Text
24. Bikeway Master Plan
25. Trails Master Plan
26. Phase I Environmental Site Assessment submitted by the applicant
27. Other\_\_\_\_\_

**AT&T CLOCK TOWER TELECOMMUNICATIONS FACILITY**  
Use Permits Amendment Nos. P-UA2003-5 and P-UA2003-10 and "S" Zone  
Amendment No. P-SA2003-12

**ENVIRONMENTAL IMPACT ASSESSMENT (EIA NO. P-EA2003-5)**

**Project Description**

The applicant is requesting to amend previous use permits and site and architectural approvals for 9 telecommunication antennas housed in an additional building story for 12 antennas and associated equipment housed in a proposed 256 square foot clock tower, 62'-10" in height. The clock tower is proposed on the western side of the existing 17,000 square foot, two-story building partially in existing landscape area and parking lot.

**Project Location**

The project location is 1000 Jacklin Road (APN: 028-05-015). The subject site encompasses 1.14 acres at the southwest quadrant of I-680 and Jacklin Road. The site is a land-locked parcel located behind the Shell gasoline station, near the I-680 southbound on-ramp. The site is zoned Highway Services, as is the gas station parcel to the north. The parcels to the west and south are zoned Administrative and Professional Office, and are developed with offices and a child care center. Residential uses are found to the north, beyond Jacklin Road, to the west, beyond N. Hillview Drive, and to the east, beyond the I-680 freeway.

**Reasons Needing Clarification & Responses to Less Than Significant**

*Listed below are responses to all answers which need clarification or were checked "Less Than Significant" on Part II of this Initial Study. Responses here are presented in the same order in which they appear on the checklist:*

**Aesthetics**

**Response to questions 1c:**

*"Will the project substantially degrade the existing visual character or quality of the site and its surrounding?"*

The proposed clock tower would be located on the west side of the I-680 Freeway scenic corridor, thereby not impeding the view of the scenic resources which all lie east of the I-680 freeway. The view of the scenic resources are already blocked from view along Hillview Drive and Jacklin Road by the existing 17,000 sq. ft., 30 foot tall building. From other viewpoints in the City, the clock tower is only 256 sq. ft. (16' x 16') and its projection and visibility would be minor in terms of the larger scenic resources (hills) that span the entire eastern perimeter of the City. In addition, the proposed clock tower is a much more aesthetically pleasing structure to house telecommunication antennas and associated equipment than the existing 61'-1" monopole on the site with numerous antenna panels and wire projecting from it. Also, the structure is proposed to

complement the existing structure, matching its architectural, material and colors with assist in blending in with the existing building and site. Thus, the proposed project is considered to be a less than significant impact.

**Mandatory Findings of Significance**

**Response to Question 17a**

*"Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?"*

The potential for the project to substantially degrade the existing visual character or quality of the site and its surrounding is discussed in the above section (under "Aesthetics").



SF 926-01



Milpitas 4/#732

# MILPITAS HEALTH & FITNESS

REV. NO.	DATE	DESCRIPTION
1	10/24/02	(A) ZONING PRELIMINARY
2	12/05/02	(B) ZONING FINAL - RED MARKS
3	12/17/02	(C) ZONING FINAL - REVISED
4	04/07/03	(D) ZONING FINAL - REVISED
5	04/15/03	(E) ZONING FINAL - REVISED

**Diamond Services**  
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## ABBREVIATIONS

A.B.	ANCHOR BOLT	N.L.C.	NOT IN CONTRACT
ADJ.	ADJUSTABLE	N.T.S.	NOT TO SCALE
ALUM.	ALUMINUM	NO.	NUMBER
APPROX.	APPROXIMATE	O.C.	ON CENTER
ARCH.	ARCHITECTURAL	O.D.	OUTSIDE DIAMETER
A.S.	AS SHOWN	OPP.	OPPOSITE
AWG	AMERICAN WIRE GAUGE	P.C.S.	PERSONAL COMMUNICATIONS SERVICES
BUDG.	BUILDING	PL	PLATE
BUK.	BLOCK	PR	PAR
BULK.	BLOCKING	PLY.	PLYWOOD
BMU	BRICK MASONRY UNIT	REIN.	REINFORCE
B.O.	BOTTOM OF	REINFORCED	REINFORCED
BOT.	BOTTOM	RED'D	REDWOOD
B.T.S.	BASE TRANSCEIVER STATION	REINFORCED	REINFORCED
BTM	BETWEEN	S.A.D.	SEE ARCH. DWGS.
CAB.	CABINET	SCH.	SCHEDULE
C/L	CENTERLINE	SEC.	SECTION
C.P.	CAST IN PLACE	S.F.	SQUARE FOOT
CLG.	CEILING	SHT.	SHEET
CLR.	CLEAR	SHT'G	SHEATHING
CMU	CONCRETE MASONRY UNIT	SM	SQUARE
COL.	COLUMN	SS	STAINLESS STEEL
CONC.	CONCRETE	S.S.D.	SEE STRUCTURAL DRAWINGS
CONN.	CONNECTION	STD.	STANDARD
CONSTR.	CONSTRUCTION JOINT	STL.	STEEL
CONT.	CONTINUOUS	STRUCT.	STRUCTURAL
CTR.	CENTER	T. & G.	TONGUE & GROOVE
CU	COPPER	TND	TEMPERED GLASS
DBL.	DOUBLE	TYP.	TYPICAL
DET.	DETAIL	T.O.	TOP OF
DIA.	DIAMETER	T.O.C.	TOP OF CONCRETE
DM	DIMENSION	T.O.M.	TOP OF MASONRY
DWG.	DRAWING	T.O.S.	TOP OF SLAB
(E)	EXISTING	T.O.W.	TOP OF WALL
EA.	EACH	TS.	TUBE STEEL
ELEC.	ELECTRICAL	T. & B.	TOP AND BOTTOM
E.O.S.	EDGE OF SLAB	U.B.C.	UNIFORM BUILDING CODE
ELEV.	ELEVATION	U.O.N.	UNLESS OTHERWISE NOTED
EMBED.	EMBEDMENT	VERT.	VERTICAL
EQ.	EQUAL	W/F.	WITH
EQUIP.	EQUIPMENT	W/O	WITHOUT
EXIST.	EXISTING	WO.	WHERE OCCURS
EXP. JT	EXPANSION JOINT	WO.	WOOD
EXT.	EXTERIOR		
F.O.	FACE OF		
F.O.C.	FACE OF CONCRETE		
F.O.M.	FACE OF MASONRY		
F.O.S.	FACE OF STUD		
F.O.W.	FACE OF WALL		
FIN. FLR	FINISHED FLOOR		
FLR	FLOOR		
FTG.	FOOTING		
GA.	GAUGE		
GALV.	GALVANIZED		
GLB	GLU-LAMINATED BEAM		
GRND	GROUND		
HORIZ.	HORIZONTAL		
HT	HEIGHT		
I.D.	INSIDE DIAMETER		
INCL.	INCLUDE		
LONG.	LONGITUDINAL		
MAS.	MASONRY		
MAX.	MAXIMUM		
M.B.	MACHINE BOLT		
MCH.	MECHANICAL		
MFR.	MANUFACTURER		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MTL.	METAL		
(N)	NEW		
N.E.C.	NATIONAL ELECTRIC CODE		

## SYMBOLS AND MATERIALS

NEW ANTENNA	GRID REFERENCE	GROUT OR PLASTER
EXISTING ANTENNAS	DETAIL REFERENCE	(E) BRICK
ASPHALT	DETAIL IN SECTION	(E) MASONRY
CONCRETE	PARTIAL HEIGHT SECTION	CONCRETE
ELECTRIC BOX	FULL HEIGHT SECTION	EARTH
LIGHT POLE	SPOT ELEVATION	GRAVEL
FIN. MONUMENT	SET POINT	PLYWOOD
COAX CABLE RUN TO ANTENNA	SCHEDULE ITEM SEE PLAN	SAND
ELECTRICAL CONDUIT	REVISION	WOOD CONT.
TELEPHONE CONDUIT	ELEVATION	WOOD BLOCKING
CENTER LINE	SHEET NOTE	STEEL
PROPERTY LINE	MATCH LINE	
WORK POINT		

## PROJECT TEAM

**Diamond Services**  
Engineering, Construction & Testing  
3860 Industrial Way  
Benicia, CA 94510  
Tel: (707) 751-5900  
Fax: (707) 751-5901

**DAVID EVANS AND ASSOCIATES INC.**  
5000 EXECUTIVE PARKWAY, SUITE 125  
SAN RAMON, CALIFORNIA 94583  
TEL: (925) 967-3380  
FAX: (925) 967-3388

## PROJECT SUMMARY

**APPLICANT/LESSEE:** **cingular WIRELESS**  
4420 ROSEWOOD DR. BUILDING 2, 3rd FLOOR  
PLEASANTON, CA 94588  
CONTACT: ELLEN MAGNE  
(925) 227-4356

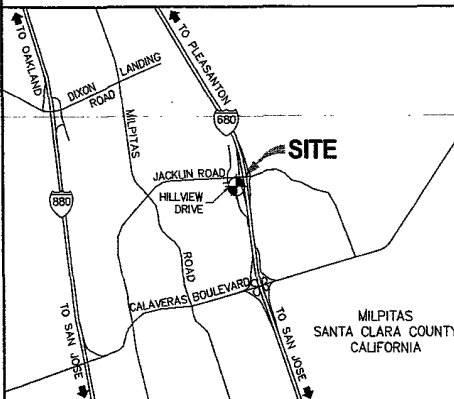


**PROPERTY OWNER:** **Joseph & Christine Gigantino**  
1000 JACKLIN ROAD  
MILPITAS, CA 95035

**PROJECT DESCRIPTION:**  
THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT CABINETS FOR THE AT&T WIRELESS AND CINGULAR WIRELESS PERSONAL COMMUNICATIONS (PCS) NETWORK. NINE ANTENNAS ON A NEW CLOCK TOWER, AND NINE EQUIPMENT CABINETS ARE PROPOSED AT THIS SITE. THE ANTENNAS WILL CONSIST OF NINE PANEL ANTENNAS MOUNTED ON A NEW CLOCK TOWER. THE SYSTEM WILL TRANSMIT AND RECEIVE RADIO SIGNALS FOR A REGIONAL PCS NETWORK.

**HAZARDOUS MATERIALS**  
EACH BTS EQUIPMENT CABINET HAS A MAXIMUM OF FOUR BATTERIES. EACH BATTERY CONTAINS 3.3 QUARTS OF ACID FOR A MAXIMUM OF 13.2 QUARTS OF ACID PER BTS CABINET.

## LOCATION MAP



## SHEET INDEX

- T1 TITLE SHEET
- C1 SITE SURVEY
- A1 SITE PLAN
- A2 EQUIPMENT PLAN & DETAILS
- A3 ANTENNA PLAN & DETAILS
- A4 NOTRH & SOUTH ELEVATIONS
- A5 EAST & WEST ELEVATIONS
- A6 AT&T EQUIPMENT LAYOUT

## LEGAL DESCRIPTION

**SITE ADDRESS**  
Milpitas Health & Fitness  
1000 Jacklin Road  
Milpitas, CA 95035

APN: 028-05-015

**DATUM POINTS**  
NAD83 DATUM  
LAT. N 37°26'45.96"  
LONG. W 121°53'32.47"

**cingular WIRELESS**  
4420 Rosewood Dr. Bldg. 2, 3rd Floor  
Pleasanton, CA 94588

**AT&T WIRELESS SERVICES, INC.**  
681 GATEWAY BLVD., #1500  
SOUTH SAN FRANCISCO, CA 94080

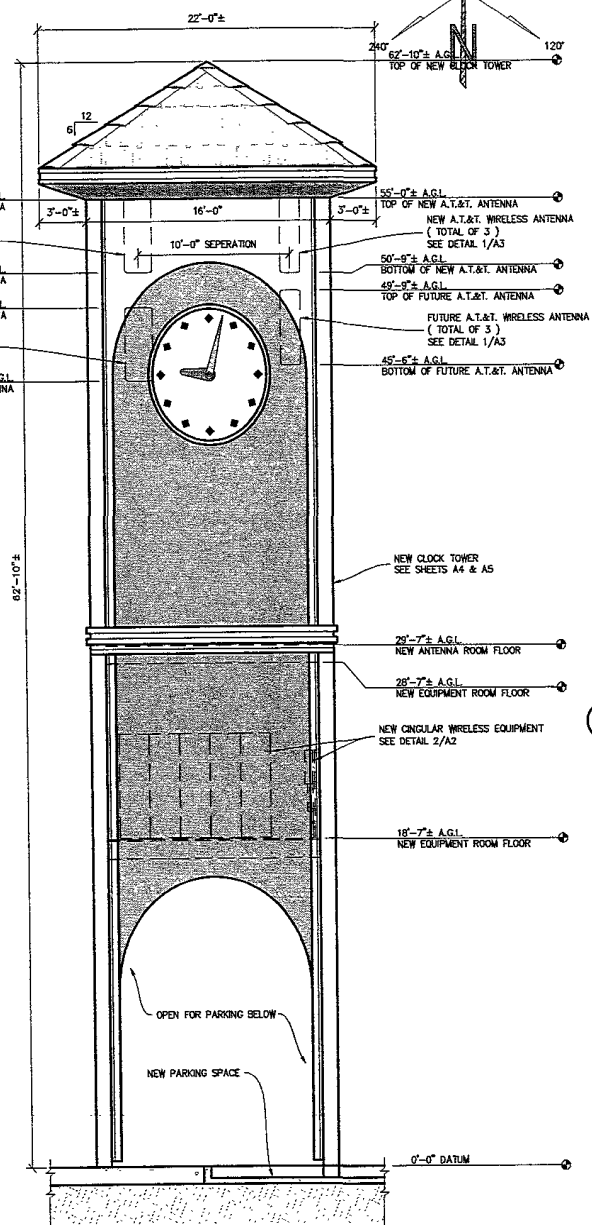
**Milpitas Health & Fitness**  
CINGULAR JOB NO.: SF 926-01  
AT&T JOB NO.: Milpitas 4/#732  
Milpitas, CA

T1



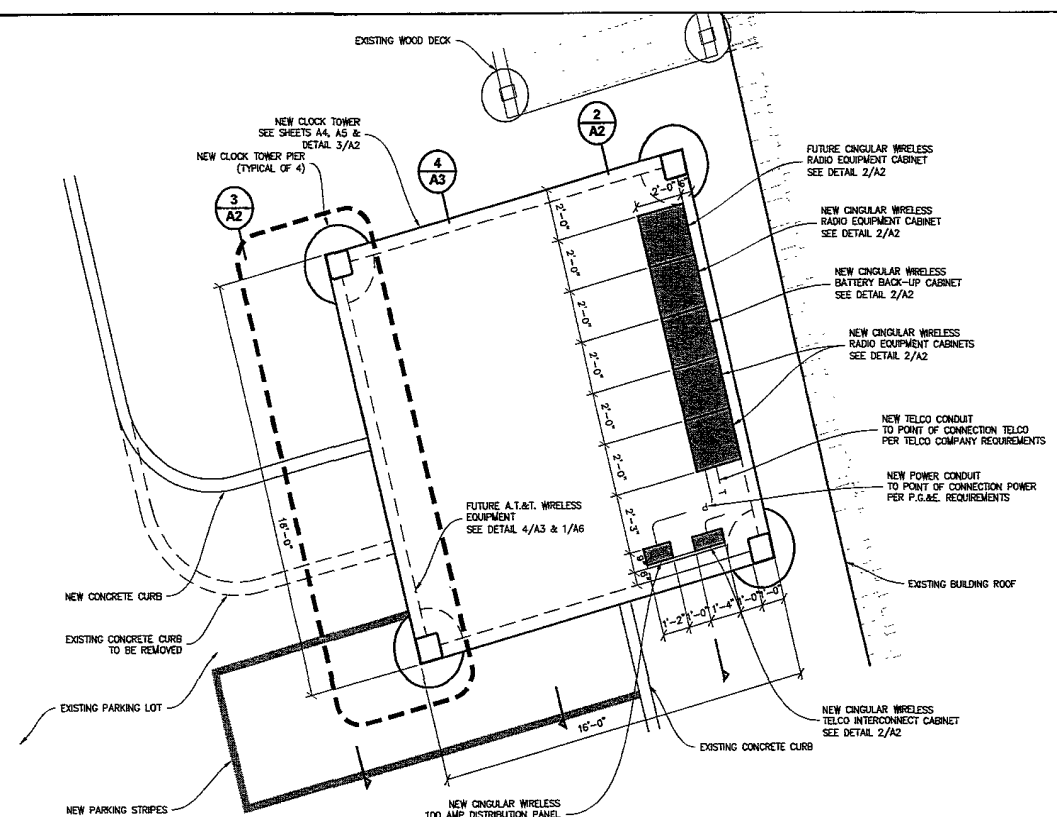




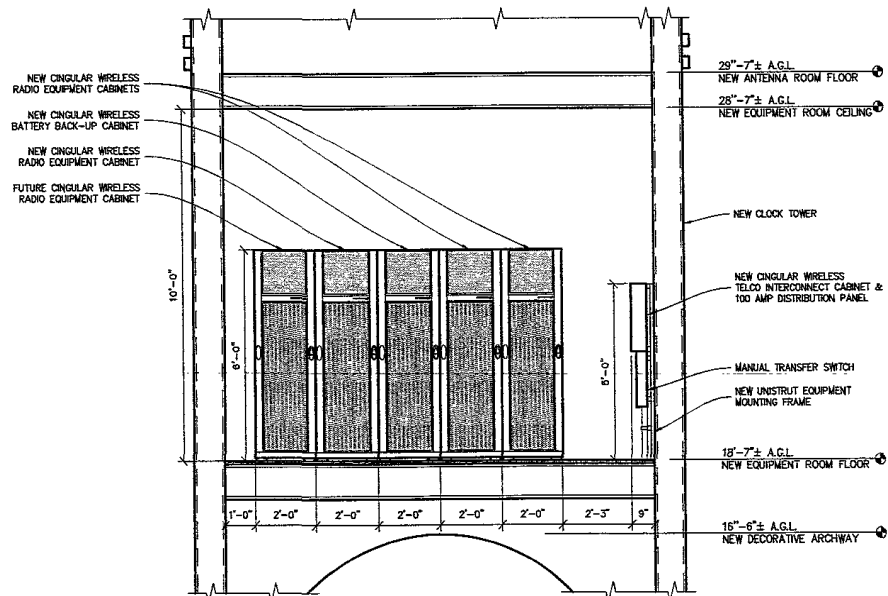


3 WEST CLOCK TOWER ELEVATION

SCALE: 1/4"=1'-0"



1 EQUIPMENT PLAN



2 CINGULAR WIRELESS EQUIPMENT ELEVATION

REVISIONS		DESCRIPTION	DATE
1	(A)	ZONING PRELIMINARY	10/24/02
2	(B)	ZONING FINAL - RED MARKS	12/05/02
3	(C)	ZONING FINAL - REVISED	12/17/02
4	(D)	ZONING FINAL - REVISED	04/07/03
5	(E)	ZONING FINAL - REVISED	04/15/03

**Diamond Services**  
Engineering, Construction & Testing

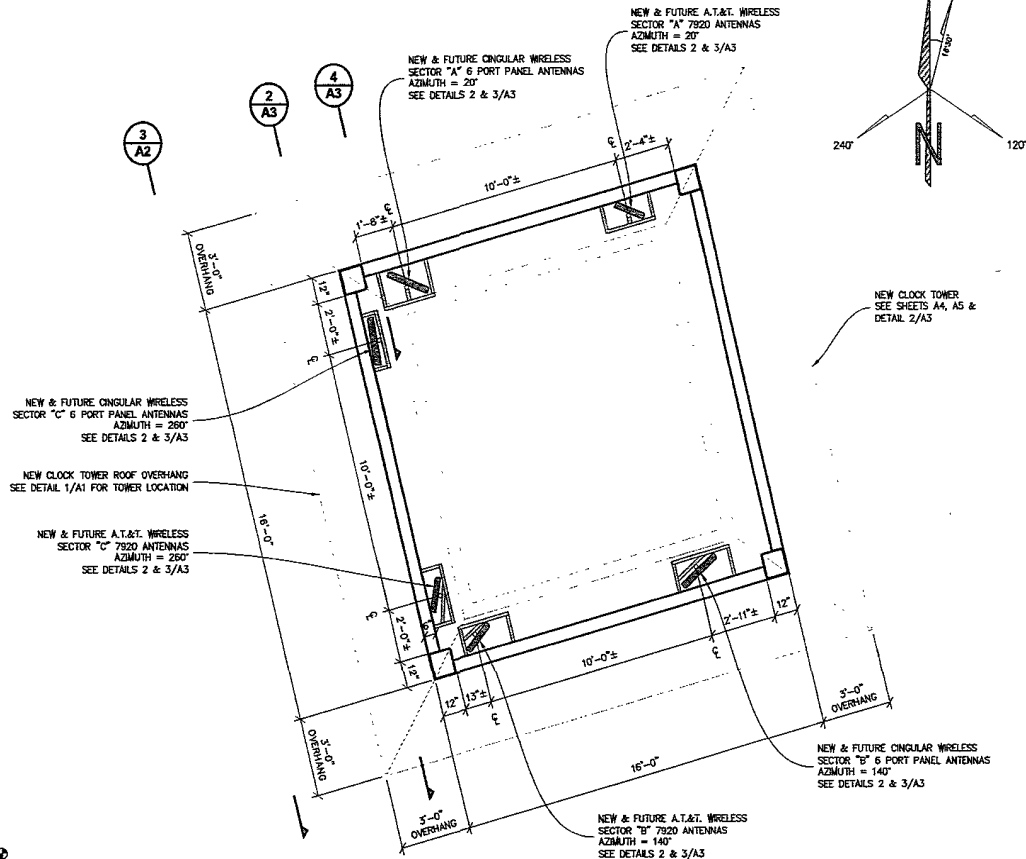
3860 Industrial Way  
Benicia, CA 94610  
Tel: (707) 751-5800  
Fax: (707) 751-5901

**cingular** WIRELESS  
4420 Rosewood Dr. Bldg. 2, 3rd Floor  
Pleasanton, CA 94588

**AT&T WIRELESS SERVICES, INC.**  
651 GATEWAY BLVD. #1500  
SOUTH SAN FRANCISCO, CA 94080

**Milpitas Health & Fitness**  
CINGULAR JOB NO.: SF 926-01  
AT&T JOB NO.: Milpitas 4/9732  
Milpitas, CA

**A2**



22'-0"±

12

6

55'-10"± A.G.L.  
TOP OF NEW CINGULAR ANTENNA

3'-0"±  
OVERHANG

NEW CINGULAR WIRELESS  
6 PORT PANEL ANTENNA  
SEE DETAIL 3/A3 FOR MOUNTING

50'-10"± A.G.L.  
BOTTOM OF NEW CINGULAR ANTENNA

48'-10"± A.G.L.  
TOP OF FUTURE CINGULAR ANTENNA

FUTURE CINGULAR WIRELESS  
6 PORT PANEL ANTENNA  
SEE DETAIL 3/A3 FOR MOUNTING

44'-8"± A.G.L.  
BOTTOM OF NEW CINGULAR ANTENNA

55'-0"± A.G.L.  
TOP OF NEW A.T.&T. ANTENNAS

3'-0"±  
OVERHANG

16'-0"

NEW A.T.&T. WIRELESS 7920 SECTOR "C"  
SEE DETAIL 3/A3 FOR MOUNTING

50'-8"± A.G.L.  
BOTTOM OF NEW A.T.&T. ANTENNA

48'-9"± A.G.L.  
TOP OF FUTURE A.T.&T. ANTENNA

FUTURE A.T.&T. WIRELESS 7920 SECTOR "C"  
SEE DETAIL 3/A3 FOR MOUNTING

45'-8"± A.G.L.  
BOTTOM OF FUTURE A.T.&T. ANTENNA

10'-0"

2'-0"

NEW CLOCK TOWER  
SEE SHEETS A4 & A5

NEW CLOCK MADE WITH FRP MATERIAL

**ANTENNA ELEVATION**

SCALE: 3/8"=1'-0"

**3** **ANTENNA DETAILS**

SCALE: 1/2"=1'-0"

NEW AT&T WIRELESS TELCO INTERCONNECT CABINET

100 AMP DISTRIBUTION PANEL

NEW AT&T WIRELESS GENERATOR PLUG

NEW AT&T WIRELESS RADIO EQUIPMENT CABINET

NEW AT&T WIRELESS BATTERY BACK-UP CABINET

NEW AT&T WIRELESS RADIO EQUIPMENT CABINET

FUTURE AT&T WIRELESS RADIO EQUIPMENT CABINET

29'-7" ± A.C.L. NEW ANTENNA ROOM FLOOR

28'-7" ± A.C.L. NEW EQUIPMENT ROOM CEILING

NEW CLOCK TOWER

18'-7" ± A.C.L. NEW EQUIPMENT ROOM FLOOR

16'-6" ± A.C.L. NEW DECORATIVE ARCHWAY

NEW UNISTRUT EQUIPMENT MOUNTING FRAME

MANUAL TRANSFER SWITCH

10'-0"

5'-0"

8'-0"

9" 1'-2" 1'-0" 1'-4" 1'-0" 2'-0" 2'-0" 2'-0" 2'-0" 9"

SCALE: 1/2"=1'-0"

SCALE: 3/8"=1'-0"

REVISIONS		PICTURE	REV.
DATE	DESCRIPTION		
10/24/02	(A) ZONING PRELIMINARY		
12/05/02	(B) ZONING FINAL -- RED MARKS		
12/17/02	(C) ZONING FINAL -- REVISED		
04/07/03	(D) ZONING FINAL -- REVISED		
04/15/03	(E) ZONING FINAL -- REVISED		

**Diamond  
Services**  
Engineering, Construction & Testing

3860 Industrial Way  
Benicia, CA 94510  
Tel: (707) 751-5900  
Fax: (707) 751-5901

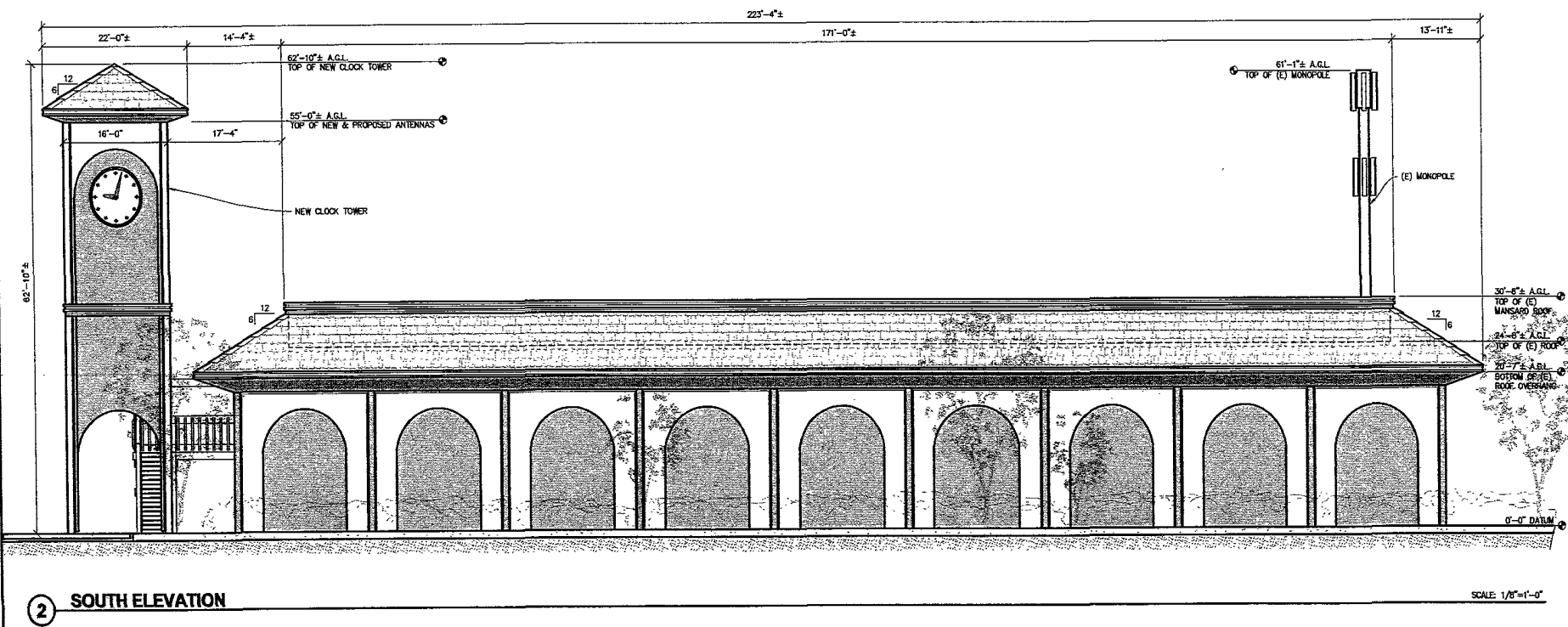
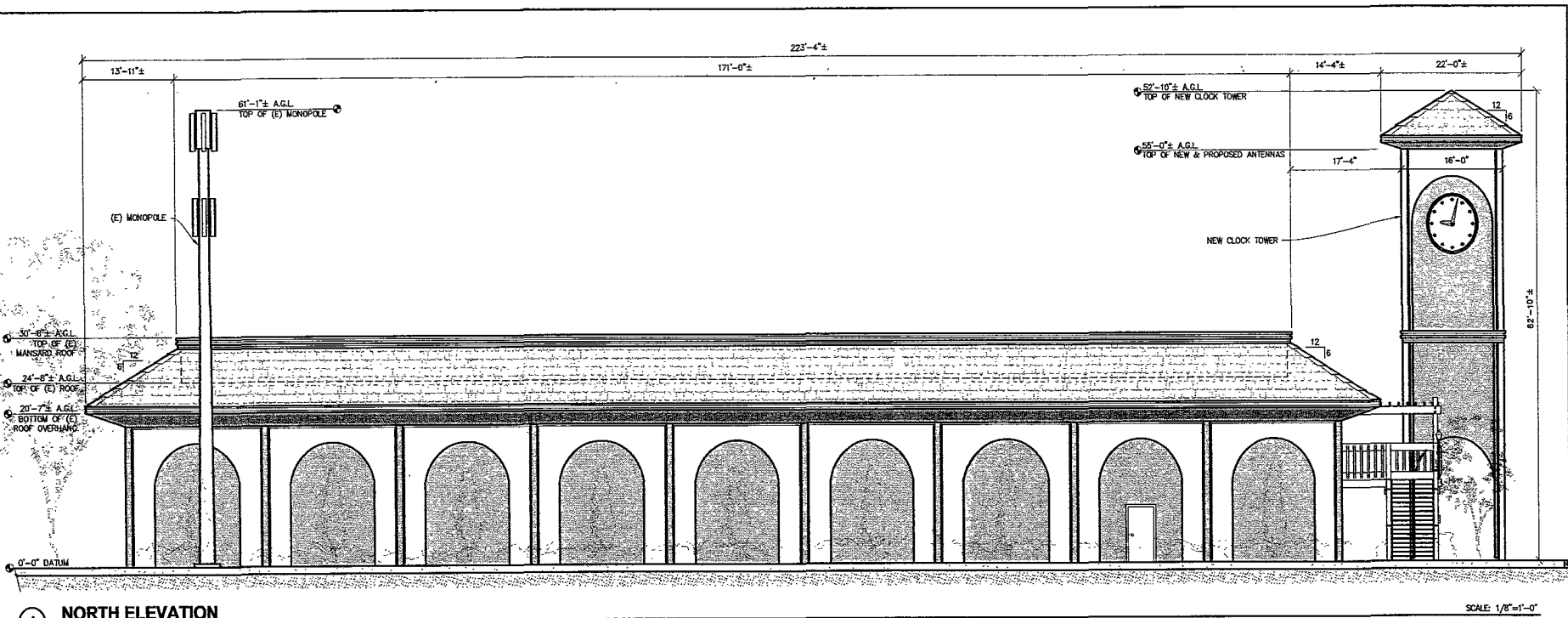
**cingular**<sup>SM</sup>  
**WIRELESS**  
4420 Rosewood Dr. Bldg. 2, 3rd Floor  
Pleasanton, CA 94588

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**AT&T WIRELESS SERVICES, INC.**  
851 GATEWAY BLVD. #1500  
SOUTH SAN FRANCISCO, CA 94080

**Milpitas Health & Fitness**  
CINGULAR JOB NO.: SF 926-01  
AT&T JOB NO.: Milpitas 4#732  
Milpitas, CA

# A3



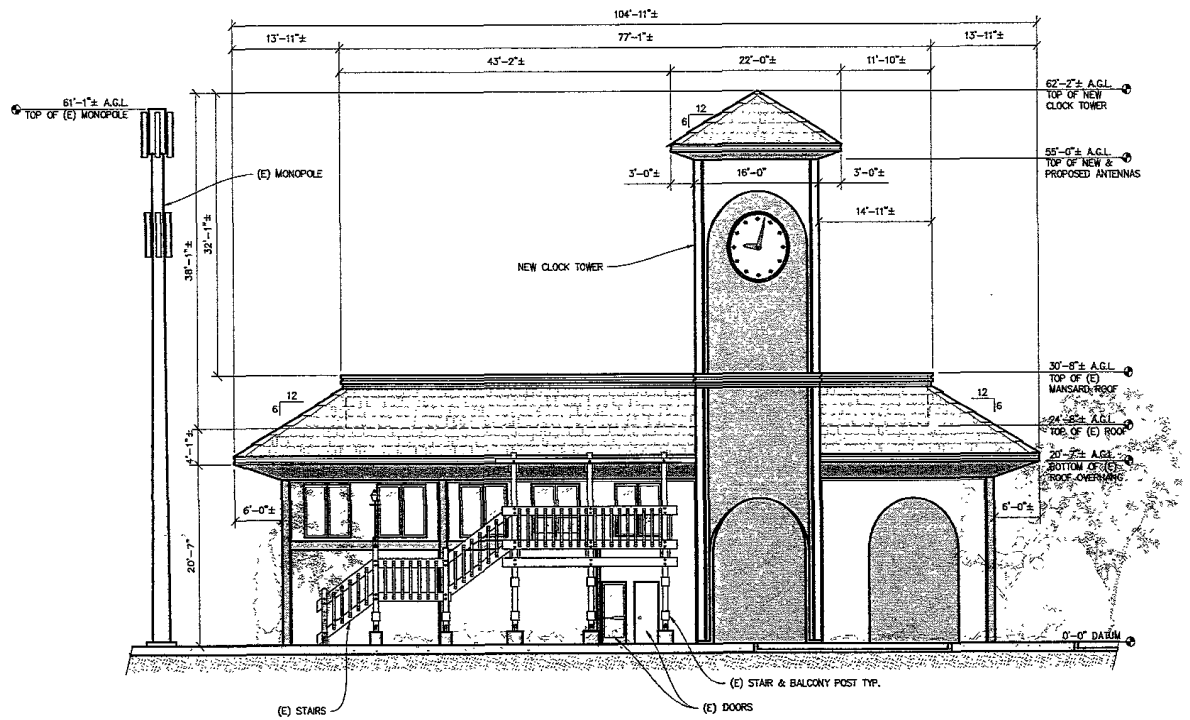
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DATE	REV.	
10/24/02	(A)	ZONING PRELIMINARY
12/05/02	(B)	ZONING FINAL - RED MARKS
12/17/02	(C)	ZONING FINAL - REVISED
04/07/03	(D)	ZONING FINAL - REVISED
04/15/03	(E)	ZONING FINAL - REVISED

**Diamond Services**  
Engineering, Construction & Testing  
3860 Industrial Way  
Benicia, CA 94510  
Tel: (707) 751-5900  
Fax: (707) 751-5901

**cingular<sup>sm</sup> WIRELESS**  
4420 Rosewood Dr. Bldg. 2, 3rd Floor  
Piedmont, CA 94568

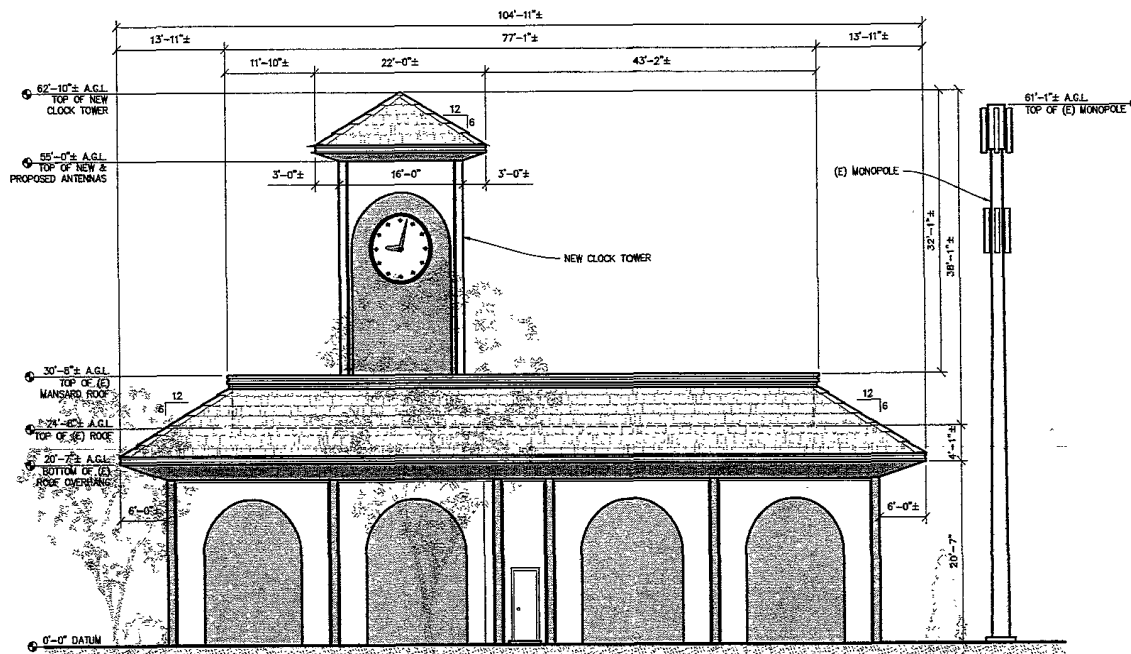
**AT&T WIRELESS SERVICES, INC.**  
651 GATEWAY BLVD. #1500  
SOUTH SAN FRANCISCO, CA 94080

**Milpitas Health & Fitness**  
CINGULAR JOB NO.: SF 926-91  
AT&T JOB NO.: Milpitas 44732  
Milpitas, CA



1 WEST ELEVATION

SCALE: 1/8"=1'-0"



2 EAST ELEVATION

SCALE: 1/8"=1'-0"

REV.	DESCRIPTION	DATE
P100189E		
	(A) ZONING PRELIMINARY	10/24/02
	(B) ZONING FINAL - RED MARKS	12/05/02
	(C) ZONING FINAL - REVISED	12/17/02
	(D) ZONING FINAL - REVISED	04/07/03
	(E) ZONING FINAL - REVISED	04/15/03

**Diamond Services**  
Engineering, Construction & Testing  
3860 Industrial Way  
Benicia, CA 94510  
Tel: (707) 751-5900  
Fax: (707) 751-5901

**cingular<sup>sm</sup> WIRELESS**  
4420 Rosewood Dr. Bldg. 2, 3rd Floor  
Pleasanton, CA 94588  
**AT&T WIRELESS SERVICES, INC.**  
651 GATEWAY BLVD., #1500  
SOUTH SAN FRANCISCO, CA 94080

**Milpitas Health & Fitness**  
CINGULAR JOB NO.: SF 926-01  
AT&T JOB NO.: Milpitas 4H732  
Milpitas, CA

A5

